



APPENDIX B

Mehlhorn Independent Claim 27

27. A method of preparing a liposome vesicle-entrapped charged chemical species which comprises:

- (a) forming liposomes in:
 - (i) an aqueous medium containing an acid which is substantially impermeable through the vesicle to give an acidic liposome-containing aqueous medium in which the acid is present in the internal and external liposome phases; or
 - (ii) an aqueous medium containing a base which is substantially impermeable through the vesicle to give a basic liposome-containing aqueous medium in which the base is present in the internal and external liposome phases;
- (b) adding:
 - (i) to the thus-obtained acidic liposome-containing aqueous medium a charged chemical species which is cationic or
 - (ii) to the thus-obtained basic liposome-containing aqueous medium a charged chemical species which is anionic, and
- (c) adding to the external liposome phase:
 - (i) a base to thereby induce the cationic chemical species to pass into the liposomes' internal acidic aqueous phase or
 - (ii) an acid to thereby induce the anionic chemical species to pass into the liposomes' internal basic aqueous phase.

APPENDIX B (Cont.)

Mehlhorn Independent Claim 38

38. A method of preparing a liposome vesicle entrapped charged chemical species which comprises:

- (a) forming liposomes in:
 - (i) an aqueous medium containing an acid which is substantially impermeable through the vesicle to give an acidic liposome-containing aqueous medium in which the acid is present in the internal and external liposome phases; or
 - (ii) an aqueous medium containing a base which is substantially impermeable through the vesicle to give a basic liposome-containing aqueous medium in which the base is present in the internal and external liposome phases;
- (b) adding:
 - (i) to the thus-obtained acidic liposome-containing aqueous medium a charged chemical species which is cationic or
 - (ii) to the thus-obtained basic liposome-containing aqueous medium a charged chemical species which is anionic, and
- (c) adding to the external liposome phase:
 - (i) a base in an amount effective to create a pH gradient between the external liposome phase and the internal liposome phase to thereby induce the cationic chemical species to pass into the liposomes' internal acidic aqueous phase or
 - (ii) an acid in an amount effective to create a pH gradient between the external liposome phase and the internal liposome phase to thereby induce the anionic chemical species to pass into the liposomes' internal basic aqueous phase.

Note: the bolded sections indicate the difference between claim 27 and claim 38.